

DAYCHIK, M.L. Cand Tech Sci -- (diss) "Measuring of deformations in hydraulic turbines and generators." Mos, 1956. 19 pp, 20 cm. (Inst of Machine Studies, Acad Sci USSR. Lab<sup>atory</sup> for the Study of <sup>Stresses</sup> ~~Deformations~~), 120 copies (KL, 7-57, 106)

31

*Daychik, M.L.*

DORSKIY, Grigoriy Moiseyevich, inzh.; UDAL'TSOV, A.M., glavnyy red.;  
DAYCHIK, M.L., red.; SHTYENBOK, G.Yu., inzh., vedushchiy red.

[Block of fixed generators for acoustic measurements in sound chambers] Blok zadaiushchikh generatorov dlia akusticheskikh izmerenii v zvukomernykh kamerakh. Moskva, In-t tekhniko-ekon. inform., 1956. 19 p. (Pribory i stendy. Tema 7, no.P-56-412)  
(Sound--Measurement) (MIRA 11:2)

SOV/124-58-1-1236

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 1, p 154 (USSR)

AUTHORS: Prigorovskiy, N. I. , Preyss, A. K. , Daychik, M. L. , Bortkevich, V. I. ,  
Kustanovich, M. S. , Komov, N. N.

TITLE: Full-scale Measurements of the Stresses and Pressures Exerted on  
Component Parts of the Hydraulic Turbines of the Hydroelectric  
Power Station on the River Dnepr (Napryazheniya i davleniya na  
detalyakh gidroturbiny Dneprovskoy GES po dannym naturnykh  
izmereniy)

PERIODICAL: V sb.: Gidroturbostroyeniye. Nr 4. Moscow-Leningrad, Mashgiz,  
1957, pp 103-126

ABSTRACT: Measurements of the actual values of the strains and pressures at  
a number of points of the runner and of the forces acting on various  
shaft sections as obtained for the fundamental operational regimes  
of the turbine.

From the résumé

Card 1/1

DAYCHIK, M. L.

"Tensometrization" of Hydroturbines and Generators."

dissertation defended for the degree of Doctor of Technical Sciences at the  
Inst. of Machine Science.

Defense of Dissertation (Jan-Jul 1957)

Sect. of Tech. Sci.

Vest. AN SSSR, 1957, v. 27, No. 12, pp. 120-122

Day CHIK, M. L.

25(2); 24(6)

PHASE I BOOK EXPLOITATION

SOV/2591

Akademiya nauk SSSR. Institut mashinovedeniya

Kolebaniya v turbomashinakh; sbornik statey (Vibrations in Turbomachines; Collection of Articles) Moscow, Izd-vo AN SSSR, 1959. 117 p. Errata slip inserted. 2,300 copies printed.

Resp. Ed.: S. V. Serensen, Academician, Academy of Sciences, USSR; Ed. of Publishing House: Ya. A. Klimovitskiy; Tech. Ed.: V. V. Volkova.

PURPOSE: This collection of articles is intended for scientific research workers, engineers, and designers in the field of turbomachinery.

COVERAGE: This collection of articles deals with vibrations in turbomachinery. The following topics are discussed: vibrations and stresses in the rotor and bearings of a turbogenerator, vibrations and stability of beams, flexural vibrations of a rotating shaft, whirling speeds of a flexible rotor with two unbalanced masses, acceleration through resonance of a nonlinear system, whirling speed and clearance in bearings, dynamic stresses in blades of an axial compressor, and damping of vibrations. No personalities are mentioned. References follow several of the articles.

Card 1/5

Vibrations in Turbomachines (Cont.)

SOV/2591

TABLE OF CONTENTS:

Preface

3

Daychik, M.L., F.M. Dimentberg, A.S. Zil'berman, G.L. Lyudin, N.I. Prigorovskiy, and K.Ye. Sakharov. Investigation of Vibrations and Stresses in the Rotor and Bearings of a High-power Turbogenerator During Operation

5

The authors discuss an experimental investigation made on a high-power turbogenerator in order to analyze the real state of stress of the rotor and vibrations of the rotor and bearings. The dynamic behavior of the whole system of joined rotors and bearings is treated. The influences of bases and foundations are not taken into consideration.

Bolotin, V.V. Vibration and Stability of Beams Under Action of Nonconservative Forces.

23

A cantilever rectilinear beam loaded by uniformly distributed following forces acting in the plane of its maximum rigidity is analyzed for stability at planar deformation. Critical parameters of the loading with and without consideration of damping are established.

Card 2/5

LEBEDEV, Gennadiy Aleksandrovich; LYUSTIBERG, V.F., inzh., ved. red.;  
DAYCHIK, M.L., inzh., red.; SOROKINA, T.M., tekhn. red.

[Apparatus for testing the characteristics of polymer samples  
under tensile stress] Ustanovka dlia issledovaniia kharakteri-  
stik polimernykh obraztsov pri rastiazhenii. Moskva, Filial  
Vses. in-ta nauchn. i tekhn. informatsii, 1958. 7 p. (Peredo-  
voi nauchno-tekhnikeskii i proizvodstvennyi opyt. Tema 32.  
No.P-58-61/10) (MIRA 16:3)

(Polymers--Testing)

LALENKOV, Ivan Semenovich; LYUSTIBERG, V.F., inzh., ved. red.; DAYCHIK,  
M.L., inzh., red.; SOROKINA, T.M., tekhn. red.

[Two-channel TIS-4 tensiometer]Dvukhanal'nyi tenzometricheskii  
izmeritel' TIS-4. Moskva, Filial Vses. in-ta nauchn.i tekhn.  
informatsii, 1958. 9 p. (Peredovoi nauchno-tekhnicheskii i pro-  
izvodstvennyi opyt. Tema 31. No.P-58-106/11) (MIRA 16:3)  
(Tensiometers)



PETROV, Lev Vasil'yevich; LYUSTIBERG, V.F., inzh., ved.red.; DAYCHIK,  
M.L., inzh., red.; SOROKINA, T.M., tekhn. red.

[2 TSU-2 strain-measuring unit] Tenzometricheskaya stantsiya  
2TSU-2. Moskva, Filial Vses. in-ta nauchn. i tekhn. infor-  
matsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i pro-  
izvodstvennyi opyt. Tema 31. No.P-58-107/12) (MIRA 16:3)  
(Electronic instruments) (Strain gauges)

VASIL'YEVA, Rimma Vasil'yevna, inzh.; LYUSTIBERG, V.F., inzh.,  
ved. red.; DAYCHIK, M.L., inzh., red.; FOMICHEV, P.M.,  
tekhn. red.

[Vibrating stand for calibrating vibrometers and accelerometers in a wide frequency range] Vibrostandy dlia tarirovki vibrometrov i akselerometrov v shirokom diapazone chastot. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 20 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31. No.P-58-14/2) (MIRA 16:3)  
(Vibration--Measurement) (Electronic instruments)  
(Accelerometers--Testing)

DAYCHIK, M.L., kand.tekhn.nauk; VIL'PERT, K.I.; VORONKOV, V.A.

Devices for statistical investigations of accelerations, stresses,  
and deformations. Avt.prom. 29 no.10:22-25 0 '63. (MIRA 16:10)

1. Gosudarstvennyy soyuznyy ordena Trudovogo Krasnogo Znameni  
nauchno-issledovatel'skiy avtomobil'nyy i avtomotornyy institut.

L 63861-65 ENT(m)/EMP(w)/EPF(c)/MA(d)/EMP(z)/EMP(v)/EMP(j)/T/EMP(t)/EMP(h)  
 EW/ID/WW/EM/GS/RM

ACCESSION NR: AT5017736

UR/0000/65/000/000/0003/0016

AUTHORS: Vasil'yev, A. A.; Daychil, M. L.; Prigorovskiy, N. I.

4/3  
B+1

TITLE: Strain gages for operation in temperature and radiation fields

SOURCE: AN SSSR. Institut mashinovedeniya. Metody issledovaniya napryazheniy; problemy prochnosti v mashinostroyeni (Methods of investigating stresses; problems of strength in machinery manufacture). Kiev, Izd-vo Nauka, 1965, 3-16

TOPIC TAGS: strain gage, strain gage property, gage resistance, temperature coefficient, high temperature strain gage/ LKh18N9T steel, V 50 organosilicon glue

ABSTRACT: The sensitivity, temperature coefficient, and resistance as a function of temperature (20-300C) were investigated for strain gages made of 30-micron diameter constantan wire bonded with organosilicon glue V-50 to 0.15-mm thick LKh18N9T steel foil according to the procedures described in (Napryazheniya i deformatsii v detal'yakh i uzlakh mashin. Pod red. N. I. Prigorovskogo, Mashgiz, 1961). For a tested group of 1800 gages, the gage factor was found to be  $1.89 \pm 2\%$  over the temperature range 20-300C (114-120 ohm nominal resistance). It was found that the temperature coefficient (resistance) and nominal resistance were nonlinearly and nonuniquely temperature dependent. Curves of the temperature-caused

Card 1/2

E 63861-65

ACCESSION NR: AT5017736

apparent strains were obtained for unmounted and welded (to a test bar) strain gages. It was also found that increased curvature of the mounting surface increased the temperature effects. Twenty-four hour radiation tests showed that the strain gage characteristics were unchanged for neutron radiation levels of up to  $2 \cdot 10^{19} \text{ n/cm}^2$  (integral intensity) (N. N. Aristarkhov et al. Tenzodatchiki dlya raboty v usloviyakh neytronnogo oblucheniya. - Sb. "Metody i pribory tenzometrii," vyp. J. GOSINTI, 1964). Calibration of gages prior to use permits matching of gage properties for temperature compensation. Orig. art. has: 9 figures and 6 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: IE, TD

NO REF SOV: 005

OTHER: 001

dm  
Card 2/2

L 8304-66 EWT(m)/EWP(w) EM

ACC NR: AP5027724

SOURCE CODE: UR/0380/65/000/005/0117/0120

AUTHORS: Vasil'yev, A. A. (Moscow); Daychik, M. L. (Moscow)

ORG: none

TITLE: Thermal stability of a self-thermo-compensating sensor for strain gauges

SOURCE: Mashinovedeniye, no. 5, 1965, 117-120

TOPIC TAGS: strain gage, thermocouple, thermal stability, heat transfer, heat treatment/ TKV58 300 strain gage

ABSTRACT: Special alloys to be used as self-compensating strain gauge sensors were investigated for their thermal stability at high temperatures. In particular, the alloy Kh20Ni80YuD was found to have a thermal coefficient within the limits  $+ 2.9 \cdot 10^{-5}/^{\circ}\text{C}$ ,  $-3.3 \cdot 10^{-5}/^{\circ}\text{C}$ . The thermal characteristics of this alloy were investigated up to temperatures of 460C. The change in resistivity of a 0.03-mm wire made from the above alloy  $\xi_{\tau}$  was found to depend on two changes: temperature characteristic  $\xi_t$  and initial resistance  $R_0 = f(t, \tau)$ . Between 400 and 460C the

Card 1/2

UDC: 681.1/2

L 8304-66

ACC NR: AP5027724

changes of these various magnitudes were found to be related by

$$\Delta \xi_{r, -200} \approx -0,2 \Delta \xi_r, \Delta \xi_c \approx 1,7 \Delta \xi_r.$$

Experiments with this alloy show that isothermal heat treatment affects the temperature characteristics slightly up to 350C, but significant deviations occur above 350C. Consequently, the various self-compensating sensors are divided into two groups, depending on whether the isothermal heat treatment exceeds 350C or not. Orig. art. has: 4 figures and 2 formulas.

SUB CODE: 20/ SUBM DATE: 26Apr65/ ORIG REF: 004

CC

Card 2/2

DAYCZAK-CALIKOWSKA, Krystyna

Remarks on the stratigraphy of the Middle Jurassic sediments  
between the Gory Swietokrzyskie Mountains and the Bug River.  
Przegł geol 13 no.2:52-54 F '65.

1. Institute of Geology, Warsaw.



DAYDIBEKOV, S.D.; KOCHETKOV, D.A., red.; PROTSENKO, D.I., red.izd-va;  
SHLIKHT, A.A., tekhn.red.

[Repair of the broken wooden girders] Vosstanovlenie avariinykh  
dereviannykh ferm zdani. Moskva, Izd-vo M-va kommun.khoz.  
RSFSR, 1959. 43 p. (MIRA 12:6)  
(Building, Wooden) (Girders)

DAYDBEKOV, Sitazhutdin Daidbekovich, kand. tekhn. nauk; KAZANSKIY, N.V.,  
red.; YEVDOKIMOVA, Ye.D., red.izd-va; LELYUKHIN, A.A., tekhn.red.

[Restoring wooden roofs and floors] Vosstanovlenie dereviannykh  
pokrytii i perekrytii. Izd.2., perer. Moskva, Izd-vo M-va kom-  
mun.khoz.RSFSR, 1962. 121 p. (MIRA 16:2)  
(Building--Repair and reconstruction)

KORSUNSKIY, V.M.; DAYDYSH, A.N.

Triplet level energy transfer in benzophenone crystals. Dokl.  
AN SSSR 150 no.4:771-774 Je '63. (MIRA 16:6)

1. Kiyevskiy gosudarstvennyy universitet imeni T.G. Shevchenko.  
Predstavleno akademikom A.N. Tereninym.  
(Benzophenone crystals--Spectra)

DAYEN, G.

Competition at the factory. Sov.profsoiuzy 4 no.4:62-64 Ap '56.  
(MIRA 9:7)

1.Sekretar' partorganizatsii Khmel'nitskoy gosudarstvennoy  
obuvnoy fabriki. (Shoe industry)

DAYEN, Leonid

A restless heart. Soy.profsotuz 7 no.18:25-28 S '59.  
(MIRA 13:2)

(Seminskii, Vitalii Kupriianovich)  
(Turning--Technological innovations)

DAYEN, Leonid Abramovich; POZNYAK, Pavel Ivanovich; CHERP, Mark  
Maksovich

[Kiev; guidebook] Kiev; putevoditel'-spravochnik. Kiev,  
Gospolitizdat USSR, 1963. 187 p. (MIRA 17:10)

DAYEN, N.A., inzh.; SHAPIRSHTEYN, Ya.A., inzh.

Electric insulation of bridge cranes used in electrolysis  
units. Bezop.truda v prom. 5 no.9:17-19 S '61. (MIRA 14:10)  
(Cranes, derricks, etc.--Safety measures)

SHAPIRSHTEYN, Ya.A., inzh.; DAYEN, N.A., inzh.

Schematic for automatic forming of mercury-arc rectifiers.  
Energ. i elektrotekh. prom. no.4:45-46 O-D '64.

(MIRA 18:3)



MAKAROV, G.P.; DAYEN, P.A.; DOMKOVICH, V.V.

Mechanization of the conveying of tomato paste from the production shops to the warehouse of finished products. Kena. 1 ov. prom.  
no. 7:7-9 JI '63. (MIRA 16:9)

1. Proyektno-konstrukterskiy tekhnologicheskiy institut soveta narodnogo khozyaystva Moldavskoy SSR.

DAYEN, Ya.

For the improvement of commercial operations. Mor. flot 25 no.7s  
7-8 JI '65. (MIRA 18:7)

1. Starshiy inzh. kommercheskogo otдела Dunayskogo parokhodstva.

YEZERSKIY, M.Z.; KIRPENOV, N.K.; DAYENMAN, I.M.

New type of an automatic reversing feeder. Der.prom. 10 no.5:19-  
20 My '61. (MIRA 14:5)

(Assembly-line methods)

(Furniture industry)

KOS'MIN, N. (Voroshilovgrad); DAYENMAN, R. (Voroshilovgrad).

Carrying out business accounting within the plant. Vop.ekom.no.7:  
32-42 J1 '56. (MLRA 9:9)  
(Locomotives) (Industrial management)

*Report 2, 4, 1*

Subject : USSR/Electricity AID P - 2823

Card 1/2 Pub. 27 - 12/30

Author : Dayenzon, Ye. B., Eng., Baku

Title : Introduction of a synchronous electric drive in prospecting sea boring

Periodical : Elektrichestvo, 6, 65-66, Je 1955

Abstract : The author describes the results obtained in using synchronous motors for driving U-8-3 type mud pumps of under-water oil derricks. Asynchronous 320 to 380 kw, 6kv, 735 rpm FANSO motors work under these conditions (sharp load variations) with underload and a power factor not over 0.6 to 0.65. The Trust of Prospecting Drilling of the Ministry of the Petroleum Industry of the Azerbaidzhan SSR used experimentally for these pumps 401-kw, 6-kv, 750 rpm synchronous motors of the SM-540 type made

Elektrichestvo, 6, 65-66, Je 1955

AID P - 2823

Card 2/2 Pub. 27 - 12/30

by the factory "Elektrosila". Results were satisfactory; the power factors of the whole installation were improved and the possibility of increasing the radius of operation to 12-14 km was realized.

Institution : None

Submitted : D 21, 1954

L 52428-65 EWT(m)/EPF(o)/EWG(v)/EWA(d)/EPR/EPA(w)-2/EWP(j)/EWP(t)/EWP(k)/  
EWP(b) Pc-4/Pab-10/Pe-5/Pr-4/Pe-4 IJP(o) JD/Wd/WB/RM

ACCESSION NR: AP5015500

UR/0286/65/000/008/0030/0030  
621.315.328

AUTHOR: Kogen, V. B.; Avanesyan, A. M.; Khanlarova, A. G.-k.; Trifel', M. S.;  
Mekhmandarov, S. A.-o.; Shakov, V. I.; Babayev, M. A.; Dayenson, Ye. B.; Ioannisyan,  
S. A.

TITLE: Corrosion resistant steel-aluminum wire. Class 21, No. 170094

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 8, 1965, 30

TOPIC TAGS: corrosion protection, aluminum, steel

ABSTRACT: This Author's Certificate introduces a corrosion resistant steel-aluminum wire containing a steel core covered with an insulating material laid over with a cable of aluminum wires. The operational characteristics are improved by using transparent plastic for the insulation material and soaking the entire wire in a solution which contains 95% cersin and 5% petrolatum.

ASSOCIATION: none

SUBMITTED: 10Dec62

ENCL: 00

SUB CODE: IE, NM

Cord 1/2 /

DAYEV, A. K.

Comrade Vinogradov's question: Using a valve instead of a three-way spigot, Rab. energ., 2, No 7, 1952.



DAYEV, D.S.

Using models for solving high-frequency electric prospecting problems.  
Izv. vys. ucheb. zav.; geol. i razv. 1 no.4:121-132 Ap '58.  
(MIRA 11:12)

1. Moskovsko geologorazvedochnyy institut imeni S. Ordzhonikidze,  
Kafedra razvedochnoy geofiziki.  
(Geological modeling) (Electromagnetism)  
(Prospecting--Geophysical methods)

DAYEV, D.S.

Processing and interpreting ground wave logging data. Izv. vys.  
ucheb. zav.; geol. i razv. 2 no.6:104-109 Je '59 (MIRA 13:3)

1. Moskovskiy geologorazvedochnyy institut im. S. Ordzhonikidze.  
(Logging (Geology))

DAYEV, D.S.

Analysis of some variants of airborne electric prospecting.  
Trudy Inst. geol. i geofiz. Sib. otd. AN SSSR no.11:25-42 '61.  
(Electromagnetic prospecting) (MIRA 15:2)

DAYEV, D.S.

Method of prospecting by the use of radio waves transmitted from boreholes to the surface and results of testing it in the Achisay polymetallic deposit. Trudy MGRI 36:57-69 '59. (MIRA 15:5)  
(Achisay region--Radioactive prospecting)

DAYEV, D.S.; SERDINOV, A.I.; TARKHOV, A.G.

Modeling problems in the method of radio wave probing. Izv. AN  
SSSR. Ser. geofiz. no.6:936-945 Je '63. (MIRA 16:7)

1. Moskovskiy geologorazvedochnyy institut imeni S.Ordzhonikidze.  
(Electromagnetic prospecting)

KARANDEYEV, K.B.; DAYEV, D.S.; PAS'KO, E.V.; SHTAMBERGER, G.A.

Design principles of apparatus for geophysical prospecting  
by alternating current methods. Izv. AN SSSR, Ser. geofiz.  
no.2:254-259 F '64. (MIRA 17:3)

1. Institut avtomatiki i elektrometrii Sibirskogo otdeleniya  
AN SSSR.

DAYEV, D.S.

Concerning the effect of an enclosing medium in certain problems  
of inductive electric prospecting. Trudy Inst. geol. i geofiz. ~~11b~~.  
otd. AN SSSR no.39:46-55 '64. (MIRA 18:4)

DAYTV, D.S.

Dielectric induction logging. Izv.vysluchob.zav.i puchaj razv.  
8 no.11:110-119 N '65. (MIRA 18:12)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN  
SSSR i Moskovskiy geologorazvedochnyy institut imeni S.  
Ordzhonikidze.



DAYEV, G. A.

ZHIGACH, K.F., professor, otvetstvennyy redaktor; MURAV'YEV, I.M., professor, redaktor; TIKHOMIROV, A.A., kandidat ekonomicheskikh nauk, redaktor; YEGOROV, V.I., kandidat ekonomicheskikh nauk, redaktor; CHARYGIN, M.M., professor, redaktor; DUNAYEV, F.F., professor, redaktor; NAMEYKIN, N.S., dotsent, redaktor; BIRYUKOV, V.I., dotsent, redaktor; YEGOROV, A.F., dotsent, redaktor; CHARNYY, I.A., professor, redaktor; CHERNOZHUKOV, P.I., professor, redaktor; KUZMAK, Ye.M., professor, redaktor; DOKHNOV, V.N., professor, redaktor; PANCHENKOV, G.M., professor, redaktor; ALMAZOV, N.A., dotsent, redaktor; TAGIYEV, E.I., redaktor; GUREVICH, redaktor; ZHIGACH, K.F., redaktor; DAYEV, G.A., vedushchiy redaktor; GENNAD'YEVA, I.M., tekhnicheskiiy redaktor

[The tenth scientific and technical conference, 1955] Desiataya nauchno-tekhnicheskaya konferentsiya, 1955 g. Leningrad, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, Leningradskoe otd-nie, 1956. 167 p. (MIRA 9:7)

1. Moscow. Moskovskiy neftyanoy institut. Nauchnoye studencheskoye obshchestvo  
(Petroleum engineering) (Petroleum geology)

VOROTNIKOV, Igor' Nikolayevich; GLYADENOV, Viktor Petrovich, KHRENOV, L.K.,  
redaktor; DAYEV, G.A., redushchiy redaktor; GEMNAD'YEVA, I.M., tekhnicheskiiy redaktor

[Mechanization of labor-consuming operations on tank farms] Mekhanizatsiya trudoemkikh protsessov na neftebazakh. Leningrad, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, Leningradskoe otd-nie, 1956. 220 p. (MLRA 10:1)  
(Petroleum--Storage)

DAYEV, G.A.

NALIVKIN, V.D.; ROZANOV, L.N.; FOTIADI, E.E.; YEGOROV, S.P.; YENGURAZOV, I.I.; KOVALEVSKIY, Yu.S.; KOZACHENKO, A.A.; KONDRAT'YEVA, M.G.; KUZNETSOV, G.A.; KULIKOV, F.S.; LOBOV, V.A.; SOFRONITSKIY, P.A.; TATARINOV, A.G.; PRITULA, Yuriy Aleksandrovich, redaktor; DAYEV, G.A., vedushchiy redaktor; GENNAD'YEVA, I.M., tekhnicheskiy redaktor.

[Volga-Ural oil-bearing region: Tectonics] Volgo-Ural'skaia neftenosnaia oblast'. Leningrad, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1956. 312 p. (Leningrad. Vsesoiuznyi neftianoj nauchno-issledovatel'skii geologo-razvedochnyi institut. Trudy, no.100) [Microfilm] (MLRA 10:4)  
(Volga Valley--Petroleum geology)  
(Ural Mountain Region--Petroleum geology)

*DAYEV, G.A.*

KROTOVA, Valentina Artem'yevna; ARKHANGEL'SKIY, Boris Nilovich, red.; ~~DAYEV,~~  
G.A., vedushchiy red.; GERNAD'YEVA, I.M., tekhn. red.

[Hydrogeological factors in the formation, preservation, and destruction of oil pools; materials on the Volga and Ural regions]  
Rol'gidrogeologicheskikh faktorov v obrazovanii, sokhranении i raz-rushenii neftianykh zalezhei. Leningrad, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1957. 127 p. (Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologo-razvedochnyi institut. Trudy, no.103). (MIRA 11:1)

(Volga Valley--Petroleum geology)  
(Ural Mountain region--Petroleum geology)  
(Water, Underground)

PRITULA, Yu.A.; ABRIKOSOV, I.Kh.; AVROV, P.Ya.; KAZACHENKO, A.A.; KILIGINA,  
N.I.; KULIKOV, F.S.; MEL'NIKOV, A.M.; TATARINOV, A.G.;  
TROYEPOL'SKIY, V.I.; TSYPLENKOV, G.G.; SHPIL'MAN, A.I.;  
DAYEV, G.A., vedushchiy red.; LINDTROP, N.T., red.;  
YASHCHURZHINSKAYA, A.B., tekhn.red.

[Volga-Ural oil-bearing region; oil potential] Volgo-Uralskaya  
neftenosnaya oblast'; neftenosnost'. Leningrad, Gostoptekhizdat,  
1957. 175 p. (Leningrad, Vsesoiuznyi neftianoi nauchno-issledovatel'skii  
geologorazvedochnyi institut. Trudy, no.104). (MIRA 16:8)  
(Volga-Ural region--Petroleum geology)

POZNER, Viktor Mikhaylovich; KIRINA, Tamara Il'ichna; PORFIR'YEV, Gleb Sergeyevich. Uchastvovali: APRODOVA, A.A.; VISSARIONOVA, A.Ya; ZAKHAROVA, M.M.; KILIGINA, M.L.; KOVYAZINA, N.M.; LUN'YAK, I.A.; MUSINA, K.K.; ORLOVA, I.N.; SAVINOVA, S.I.; TAZLOVA, Ye.N.; THERENT'YEVA, V.D.; FADEYEVA, M.I.; CHERNOVA, Ye.I.; SHKL'NOVA, A.K. TIKHIY, V.N., red.; DAYEV, G.A., ved. red.; GENNAD'YEVA, I.M., tekhn. red.

[Volga-Ural oil-bearing region; Carboniferous sediments] Volgo-Ural'skaya neftenosnaya oblast'. Kamennougol'nye otlozheniya. Leningrad, Gos. nauchn. tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1957. 287p. (Leningrad. Vsesoiuznyi neftiano-i nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy no. 112) (MIRA 11:12)  
(Volga Valley--Geology, Stratigraphic)  
(Ural Mountain region--Geology, Stratigraphic)

SIMAKOV, S.N.; KLEYENBERG, V.G.; VOROB'YEV, A.A.; ZAPUDSKAYA, M.A.;  
NARIZHAYAYA, V.Ye.; POYARKOVA, Z.N.; KHUTOBOV, A.M.; VASILENKO,  
V.K., red.; DAYEV, G.A., vedushchiy red.; GENHAD'YNA, I.M.,  
tekhn. red.

[Geological structure and oil potential of Fergana] Geologicheskoe  
stroenie i neftemosnost' Fergany. Leningrad, Gos. nauchn. tekhn.  
izd-vo neft. i gorno-tiplivnoi lit-ry, 1957. 605 p. (Leningrad.  
Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologo-rasvedoch-  
nyi institut. Trudy, no.110). (MIRA 11:6)  
(Fergana---Petroleum geology)

STEPANOV, Dmitriy Leonidovich; KULIKOV, M.V., red.; DAYEV, G.A., vedushchiy red.; GANNAD'YEVA, I.M., tekhn.red.

[Principles and methods of biostratigraphic studies] Printsipy i metody biostratigraficheskikh issledovaniy. Leningrad. Gos. nauch.-tekhn.izd-vo neftianoi i gorno-toplivnoi lit-ry, Leningradskoe otd-nie. 1958. 180 p. (Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no. 113) (MIRA 11:9)  
(Geology, Stratigraphic) (Paleontology)



EYNOI, Ol'gerd Leonardovich; SEMIKHATOVA, S.V., prof., red.; DAYEV, G.A.,  
vedushchiy red.; GENNAD'YEV, I.M., tekhn.red.

[Studies on the stratigraphy of Carboniferous deposits of the  
eastern borderland of the Volga-Ural petroleum province (mountain  
region of Bashkiria)] Issledovaniia po stratigrafii karbona vo-  
stochnoi okrainy Uralo-Volzhskoi neftenosnoi oblasti (Gornaiia  
Bashkiriia). Pod red. S.V.Semikhatovoi. Leningrad, Gos.nauchno-  
tekhn.izd-vo nef. i gorno-toplivnoi lit-ry, Leningr. otd-nie,  
1958. 193 p., maps. (MIRA 12:2)  
(Bashkiria--Geology, Stratigraphic)

CHEPEL', Vladimir Mikhaylovich; LAPER'YE, I.R., red.; DAYEV, G.A., vedu-  
shchiy red.; GEMAD'YEVA, I.M., tekhn. red.

[Burning gases in boiler furnaces and ovens and servicing of the  
gas system in plants] Szhiganie gasov v topkakh kotlov i pechei  
i obsluzhivanie gasovogo khoziaistva predpriatii. Leningrad,  
Gos. nauchno-tekhn. izd-vo neft. i gorno toplivnoi lit-ry,  
Leningr. otd-nie, 1958. 276 p. (MIRA 11:10)  
(Gas as fuel) (Furnaces) (Ovens)

LOPOVAN, Grach'ya Setrakovich; SHEVTSOV, G.Ye., red.; DAYEV, G.A.,  
vedushchiy red.; GERNAD'YEVA, I.M., tekhn.red.

[Operators of diesel drilling equipment] Dieselist  
burovnykh silovykh ustanovok. Leningrad, Gos.nauchno-tekhn.  
izd-vo neft. i gorno-toplivnoi lit-ry, Leningr. otd-nis,  
1959. 202 p. (MIRA 12:6)  
(Boring machinery) (Diesel engines)

TKACHENKO, B.V., kand.geol.-mineral.nauk, nauchnyy red.; DAYEV, G.A.,  
vedushchiy red.; GEMNIAD'YEVA, I.M., tekhn.red.

[Stratigraphy of Sinian and Cambrian sediments in the north-  
eastern part of the Siberian Platform] Stratigrafiia siniskikh  
i kembriiskikh otlozhenii severo-vostoka Sibirskoi platformy.  
Leningrad, Gos.nauch.-tekhn.isd-vo neft. i gorno-toplivnoi lit-ry.  
Leningradskoe otd-nie, 1959. 210 p. (Leningrad. Nauchno-issledovatel'-  
skii institut geologii Arktiki..Trudy, vol.101) (MIRA 12:8)  
(Siberian Platform--Geology, Stratigraphic)

KALINKO, Mikhail Kus'mich; GEDROYTS, N.A., nauchnyy red.; DAYEV, G.A.,  
vedushchiy red.

[Geological development and oil and gas potentials of the Khatanga  
depression] Istoriia geologicheskogo razvitiia i perspektivy  
neftegazonosnosti Khatangskoi vpadiny. Leningrad, Gos. nauchn.-tekhn.  
izd-vo neft. i gorno-toplivnoi lit-ry. Leningr. otd-nie. 1959. 358 p.  
(Leningrad. Nauchno-issledovatel'skii institut geologii Arktiki. Trudy,  
vol. 104). (MIRA 12:12)

(Siberia, Eastern--Petroleum geology)

(Siberia, Eastern--Gas, Natural--Geology)

SOKRATOV, Boris Georgiyevich; DIKENSHTeyN, G.Kh., doktor geol.-miner. nauk, red.; DAYEV, G.A., vedushchiy red.; YASECHURZHINSKAYA, A.B., tekhn. red.

[Tectonics and oil and gas potentials of the southern part of central Ciscaucasia] Tektonika i perspektivy nef'tegazonosnosti iuzhnoi chasti Tsentral'nogo Predkavkaz'ia. Pod red. G.Kh.Dikenshteina. Leningrad, Gos. nauchno-tekhn.izd-vo nef't. i gorno-toplivnoi lit-ry, 1960. 126 p. (MIRA 14:10)

(Caucasus, Northern --Petroleum geology)

(Caucasus, Northern--Gas, Natural--Geology)

KARA-MURZA, Evelina Nikitichna; SHVEDOV, N.A., kand.geol.-mineral. nauk,  
red.; SHVEDOV, N.A., nauchn.red.; DAYEV, G.A., vedushchiy red.;  
YASHCHURZHINSKAYA, A.B., tekhn.red.

[Palynological basis for stratigraphic correlation of Mesozoic  
sediments in the Khatanga Depression] Palinologicheskoe  
obosnovanie stratigraficheskogo raschleneniia mezoziskikh  
otlozhenii Katangskoi vpadiny. Leningrad, Gos.nauchn-tekhn.izd-  
vo nefti i gorno-toplivnoi lit - ry. Leningr. otd-nie, 1960. 134  
p. (Leningrad. Nauchno-issledovatel'skii institut geologii arktiki.  
Trudy, vol. 109) (MIRA 13:12)

(Khatanga Depression--Geology, Stratigraphic)  
(Palynology)

YEMEL'YANTSEV, Tikhon Matveyevich; KRAVTSOVA, Aleksandra Ivanovna; PUK,  
Pinkhos Solomonovich; GRAMBERG, I.S., nauchnyy red.; DAYEV, G.A.,  
vedushchiy red.; YASHCHURZHINSKAYA, A.B., tekhn.red.

[Geology, and oil and gas potentials of the lower Lena Valley]  
Geologiya i perspektivy neftegazanosnosti nizov'ev r. Leny.  
Leningrad. Gos.nauchn.-tekhn. izd-vo nefti i gorno-toplivnoi  
lit-ry. Leningr. otd-nie, 1960. 143 p. (Leningrad. Nauchno-  
issledovatel'skii institut geologii Arktiki. Trudy, vol. 108)  
(Lena Valley---Petroleum geology) (MIRA 13:2)  
(Lena Valley---Gas, Natural--Geology)



SUBBOTINA, N.N., nauchnyy red.; DAYEV, G.A., vedushchiy red.; YASHCHUR-ZHINSKAYA, A.B., tekhn. red.

[Transactions of the First Seminar on Microfauna] Trudy pervogo seminarara po mikrofaune; sbornik statei pod obshchei red. N.N.Subbotinnoi. Leningrad, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1960. 341 p. (MIRA 14:10)

1. Seminar po mikrofaune, 1st.  
(Micropaleontology—Congresses)

CHEPEL', Vladimir Mikhaylovich; LAPKIN'YE, I.R., nauchnyy red.; DAYEV,  
G.A., vedushchiy red.; GEMNAD'YEVA, I.M., tekhn.red.

[Combustion of gases in boiler furnaces and ovens and servicing  
of gas systems of enterprises] Szhiganie gazov v topkakh kotlov  
i pechai i obsluzhivanie gazovogo khoziaistva predpriatii. Izd.  
2., ispr. i dop. Leningrad, Gos.nauchno-tekhn.izd-vo nefi. i  
gorno-toplivnoi lit-ry, Leningr.otd-nis, 1960. 375 p.

(Gas as fuel)

(MIRA 13:1)

BULAYSHVILI, David Amvrosiyevich; KHAIN, V.Ye., doktor geol.-miner.nauk,  
nauchnyy red.; DAYEV, G.A., vedushchiy red.; FRUMKIN, P.S.,  
tekhn.red. . .

[Geology, and oil and gas potentials of the intermountain  
depression in eastern Georgia] Pod red. V.E.Khaina. Lenin-  
grad, Gos.nauchno-tekhn.isd-vo neft. i gorno-toplivnoi lit-ry,  
Leningr.otd-nie, 1960. 238 p. (MIRA 13:12)

(Georgia--Petroleum geology)  
(Georgia--Gas, Natural--Geology)

AKUL'SHINA, Ye.P.; BGATOV, V.I.; KAZARINOV, V.P.; KOSOLOBOV, N.I.;  
DAYEV, G.A., vedushchiy red.; FRUMKIN, P.S., tekhn.red.

[Characteristics of the sedimentation in the Devonian and Lower Carboniferous of the South Minusinsk Lowland] Zakonomernosti osadkonakopleniia v devone i nizhnem karbone Iuzhno-Minusinskoi kotloviny. Leningrad, Gos.nauchno-tekhn. izd-vo neft.i gorno-toplivnoi lit-ry, Leningr.otd-nie, 1960. 132 p. (Sibirskii nauchno-issledovatel'skii institut geologii, geofiziki i mineral'nogo syr'ia. Trudy, no.12). (MIRA 15:5)  
(Minusinsk Basin--Rocks, Sedimentary)

MIKHEYEV, Viktor Ivanovich, prof. [1912-1956]; LEVENBERG, N.V., otv. red.;  
TATARINOV, P.M., red.; ALFEROV, B.A., prof., red.; ANDREYEV, B.A.,  
prof., red.; GRIGOR'YEV, D.P., prof., red.; POGREBITSKIY, Ye.O., prof.,  
red.; TOLSTIKHIN, N.I., prof., red.; SHAFRANOVSKIY, I.I., prof., na-  
uchnyy red.; MIKHEYEVA, I.V., dots., nauchnyy red.; DAYEV, G.A., ve-  
dushchiy red.; ZABRODINA, A.A., tekhn. red.; GENNAD'YEV, I.M., tekhn.  
red.

[Homology of crystals] Gomologiya kristallov. Leningrad, Gos.  
nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 206 p.  
(MIRA 14:10)

1. Chlen-korrespondent AN SSSR (for Tatarinov).  
(Crystallography)

MOISEYEV, Geliy Ionovich; SHTAGER, V.V., nauchnyy red.; DAYEV, G.A.,  
vedushchiy red.; YASHCHURZHINSKAYA, A.B., tekhn. red.

[Centrifugal compressor stations] Kompessornye stantsii s  
tsentrobezhnymi magnetateliyami. Leningrad, Gos.nauchno-tekhn.  
izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 61 p.  
(MIRA 15:1)

(Gas, Natural--Pipelines) (Compressors)

GRAMBERG, Igor' Sergeyevich; VORONOV, P.S., red.; DAYEV, G.A., vedushchiy  
red.; GENNAD'YEVA, I.M., tekhn.red.

[Stratigraphy and lithology of Permian sediments in the northeastern part of the Siberian Platform in connection with their oil and coal potentials] Stratigrafiia i litologiya permakikh otlozhenii severo-vostochnogo kraia Sibirskoi platformy v svyazi s ikh neftenosnost'iu i uglenosnost'iu. Leningrad. Gos.nauchno-tekhn.izd-vo neft.i gornotoplivnoi lit-ry Leningr. otd-nie, 1958. 215 p. Leningrad, Nauchno-tekhn. izd-vo neft.i gorno-toplivnoi lit-ry, Leningr. otd-nie, 1958. 215 p. (Leningrad. Nauchno-issledovatel'skii institut geologii Arktiki. Trudy, vol. 84). (MIRA 15:8)  
(Siberian Platform—Petroleum geology)  
(Siberian Platform—Coal geology)

SAVEL'YEV, Anatoliy Antonovich; DAYEV, G.A., vedushchiy red.;  
GENNAD'YEVA, I.M., tekhn.red.

[Jurassic Trigonidae in western Turkmenia and the Mangyshlak Peninsula] Iurskie trigonidy Mangyshlaka i Zapadnoi Turkmenii. Leningrad, Gostoptekhzdat, 1960. 112 p. (Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no.148). (MIRA 16:8)  
(Mangyshlak Peninsula--Trigonidae, Fossil)  
(Turkmenistan--Trigonidae, Fossil)



POLENOVA, Yelena Nikolayevna; ZANINA, I.Ye., nauchnyy red.; DAYEV, G.A.,  
vedushchiy red.; GENNAD'YEVA, I.M., tekhn.red.

[Devonian ostracods of the Kuznetsk and Minusinsk Basins] Devonskie  
ostrakody Kuznetskogo basseina i Minusinskoi kotloviny. Leningrad.  
Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi  
institut. Trudy, no.152). (MIRA 16:8)

(Kuznetsk Basin--Ostracoda, Fossil)

(Minusinsk Basin--Ostracoda, Fossil)

SOKOLOVA, Yekaterina Ivanovna; IVANOVA, Yekaterina Nikolayevna; YEGOROV, Ivan Petrovich; KOROBEKOV, I.A., nauchnyy red.; DAYEV, G.A., vedushchiy red.; FRUMKIN, P.S., tekhn.red.

[Permian and Triassic sediments in the Yuzhnaya Emba and their oil potential] Permskie i triasovye otlozheniia IUzhnoi Emby i ikh neftenosnost'. Leningrad, Gos.nauchno-tekhn.izd-vo nefi.i gorno-toplivnoi lit-ry. Leningr.otd-nie, 1961. 194 p. (Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no.164). (MIRA 14:8)  
(Emba Valley--Petroleum, Geology)

MOROZOV, Georgiy Andreyevich; ZELENIN, N.I., nauchnyy red.; DAYEV,  
G.A., ved. red.; SAFRONOVA, I.M., tekhn. red.

[Using diesel oils with additives] Primenenie dizel'nykh zasel  
s prisadkami. Leningrad, Gostoptekhzdat, 1962. 112 p.

(MIRA 15:7)

(Diesel engines--Lubrication)

132
A-3

**DAYEV, N. A.**

Condensation of aldehydes and ketones with ethyl chloracetate. II. Aromatic aldehydes and ketones. E. N. RUTOVSKI and N. A. DAYEV (J. Gen. Chem. Russ., 1951, 2, 184-189). Action of the Na compound of PhCHO on Et chloracetate gives  $\text{CH}_3\text{Ph}_2\text{OH}$ ,  $\text{CH}_3\text{PhCHO}$ , and NaCl. The Na compound of  $\text{OCHPh}_2$  gives  $\text{OCHPh}_2\text{OH}$ , diphenylglycidic acid, and NaCl. The presence of electronegative Cl in the  $\alpha$  position renders the H atom in the  $\text{CH}_2\text{Cl}$  group mobile, the reaction proceeding:

$$\text{SCHAr}_2\text{ONa} + \text{CH}_2\text{ClCO}_2\text{Et} \rightarrow \text{SCHAr}_2\text{ONa} \rightarrow \text{CHAr}_2\text{OH} + \text{CAr}_2\text{CHCO}_2\text{Et}$$

E. E. UVAROV.

ASB-31A METALLURGICAL LITERATURE CLASSIFICATION

ESTIMATED VALUE

| FROM SYNDICATE |   |   |   |   |   |   |   |   |    | FROM DOWNEY |    |    |    |    |    |    |    |    |    |
|----------------|---|---|---|---|---|---|---|---|----|-------------|----|----|----|----|----|----|----|----|----|
| SERIALS        |   |   |   |   |   |   |   |   |    | SERIALS     |    |    |    |    |    |    |    |    |    |
| 1              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11          | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

| COMMON ELEMENTS |  | OPEN |  | MATERIALS INDEX |  | METALLURGICAL LITERATURE CLASSIFICATION                                                                                                                                                                                                                                                                                     |  | FROM DIVISION |  | FROM DIVISION |  |
|-----------------|--|------|--|-----------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------|--|---------------|--|
| DAYEV, N.A.     |  |      |  |                 |  | Separating salicylaldehyde from phenol. N. A. Dayev and B. A. Rappoport. Russ. 42,097, May 31, 1945. Salicylaldehyde is pptd. from aq. alk. phenol soln. by addn. of NaCl and NaHSO <sub>4</sub> . It is recovered from the ppt. by acidification and steam distn.; the phenol is sepd. from the filtrate by acidification. |  |               |  |               |  |

### Progress in Chemistry of Perfumes

dihydro civetone from sebacic acid. Rodionov and associates published data on hydrobromination of undecylenic acid in a continuous action column (83). This group conducted catalytic hydrogenation of diesters and polyanhydrides of certain dibasic acids. The method of obtaining 14-methoxy-3-methyltetradecanoic acid which is an intermediate product in the synthesis of muscone was introduced in 1952 by Samokhvalov, Sibirtseva, Genkin and Preobrazhenskiy (96).

The contributions of other Soviet chemists - Dubinin-Kozhevnikova; Petrov and Sopov (126); Rodionov, Byelov, Ogorodnikova, Shevyakova; Skvortsov-Polyakova (149); Rodionov-Ogorodnikova-Moldovanska (148); Bryusova-Grigoryeva (150); Bryusova-Osipova-Gurevich-Lyuboshits (153); Byelov-Shepelenkova-Kologrivova (154); Machinskaya-Tokarev (155) - in this field of organic chemistry are listed. The names of French, USA, Swiss, and other foreign chemists and their particular accomplishments are not given in the abstract.

As is evident from the review, the last 5 years (1950-1954) have experienced great advances in the chemistry of perfumes. The authors

Card 2/3

Progress in Chemistry of Perfumes

consider that the extent of the research work carried on in this direction is still insufficient to offer a rapid solution to the complex problems facing the perfume industry.

Four tables; there are 217 references, of which 67 are Slavic.

ASSOCIATION:

PRESENTED BY:

SUBMITTED:

AVAILABLE:

Card 3/3

*DAYEV, N.A.*

DAYEV, N.A.; DASHUNIN, V.M.

Reaction of pinacol with ethyl acetoacetate. Khim.nauka i prom.  
2 no.5:667 '57. (MIRA 10;12)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskikh  
i natural'nykh dushistykh veshchestv.  
(Pinacol) (Acetoacetic acid)



DATE: 11/11/74

Date: 4E43/4E34

New synthesis of long, V. N. Delya, N. A. Shteyn, S. D. Kurova, K. V. Lashin, S. S. Podolskaya, N. S. Voronova, I. I. Shchegolev, and A. K. Shumakov. *Zh. fiz. khim.* 47: 1397-8 (1973).—Treatment of (CMe<sub>2</sub>CH<sub>2</sub>)<sub>2</sub> with dry HCl with ice cooling gave 95% isomeric chlorolimonene, bp 38-40°. This material (250 g.) and 144 g. isoprene in 686 g. CH<sub>2</sub>Cl<sub>2</sub> treated at 15° with 30 ml. 1% SnCl<sub>4</sub> in CH<sub>2</sub>Cl<sub>2</sub> and, after 20 min., with 200 ml. sat. NaCl, yielded 16.8% methylcaryophyllene, bp 70-8°, n<sub>D</sub><sup>20</sup> 1.4818, d<sub>4</sub><sup>20</sup> 0.8305. This (50 g.) and 10.3 g. dry pyridine in 50 ml. at 0-5° gave 71% *quaternary salt*, which (30.7 g.) kept 2 hrs. at room temp., with 20.7 g. p-Me<sub>3</sub>NC<sub>6</sub>H<sub>4</sub>NO<sub>2</sub> in 370 ml. EtOH, and 9.6 ml. N NaOH, dild. with 780 ml. H<sub>2</sub>O, kept 20 hrs. with ice cooling, exd. with C<sub>6</sub>H<sub>6</sub>, and the nitrous decompd. with 2N HCl gave 20.6% crude *acid*, which, after steam distn., had n<sub>D</sub><sup>20</sup> 1.4915, d<sub>4</sub><sup>20</sup> 0.8141. After, natrly 60 g. urotropine in 200 g. MePh freed of part of the solvent by distn. to 110°, heated on a steam bath 3 hrs., with 25 g. terpene chlorides, and repeatedly treated with urotropine gave an aq. soln. of the Saponin complex, which, treated with 100 g. formalin, acid. with NaCl, and steam-distd., yielded 10 g. methylcaryophyllene, bp 62-3°, n<sub>D</sub><sup>20</sup> 1.4910. The 50 soln. stirred 72 hrs. at 18-25° and exd. with Et<sub>2</sub>O gave 4.3 g. crude pseudosone, bp 124-6°, n<sub>D</sub><sup>20</sup> 1.5348, d<sub>4</sub><sup>20</sup> 0.9045. This (3.8 g.) in 70 ml. C<sub>6</sub>H<sub>6</sub>, treated at 0° with 3% NaOH, and exd. with C<sub>6</sub>H<sub>6</sub>, then repeatedly with NaOH, yielded a range of fractions, bp 84-7°, with n<sub>D</sub><sup>20</sup> 1.5083-1.5092 and d<sub>4</sub><sup>20</sup> 0.8843, values agreeing with those of *terpenol* prepd. by cyclization with BF<sub>3</sub>. The pseudosone prepd. above contains about 65% trans isomer, as shown by its IR. conts.

G. M. Koshovskiy

DAYEV, N.A.; DASHUNIN, V.M.

Reaction of pinacol with diketene. Khim. nauka i prom. 3 no.1:127-128 '58. (MIRA 11:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskikh i natural'nykh dushistykh veshchestv.  
(Pinacol) (Ketene)

SHAGALOVA, R.Yu.; DAYEV, N.A.; GOL'PERIN, N.I.; KUZNETSOVA, M.P.

Some improvements in the chloral method for the production of  
vanillin and vanillal. Trudy VNIISNDV no.4:34-38 '58.  
(MIRA 12:5)

(Vanillin) (Bourbonal) (Chloral)

FRIDMAN, Rudol'f Arkad'yevich; DAYEV, N.A., retsenzent; KIPORENKO,  
S.F., retsenzent; KALENOVA, K.I., spetsred.; KALMENS, R.I.,  
red.; SOKOLOVA, I.A., tekhn.red.

[Toiletries; manufacture, use, and analysis] Kosmetika;  
proizvodstvo, primeneniye, analiz. Izd.2., perer. i dop.  
Moskva, Pishchepromizdat, 1959. 412 p. (MIRA 12:4)  
(Toilet preparations)

BELOV, V.N., prof.; DAYEV, N.A.; SKVORTSOVA, N.I.

Achievements in and prospects for the development of the industry  
of odorous substances. Zhur. VKHO 5 no.4:362-370 '60.

(MIRA 13:12)

(Odorous substances)

DAYEV, N.A.; DASHUNIN, V.M.

Investigating the reaction of certain glycols with acetoacetic  
ester and diketene. Trudy VNIISNDV no.5:47-56 '61. (MIRA 14:10)  
(Glycols)

DAYEV, V. D.

K istorii voprosa o vozmozhnosti izobrazheniya proizvol'noy funktsii posredstvom trigonometricheskogo ryada. Voronezh, Lav. ped. in-ta 4(1938), 215-222.  
Otkrytiye fur'ye. K istorii trigonometricheskikh ryadov. voronezh, Lav. ped. in-ta, 7:1 (1940), 5-26.

SO: Mathematics in the USSR, 1917-1947  
edited by Kurosh, A. G.,  
Markushevich, A. I.,  
Kashevskiy, R. K.  
Moscow-Leningrad, 1948

BADINOV, I. Ya.; ANDREYEV, S. D.; DAYEVA, L. V.

"Spectral measurements of the radiation transparency by the atmosphere."

report presented at the Atmospheric Radiation Symp, Leningrad, 5-12 Aug 64.



1. DAYEVA, O. V.
2. USSR (600)
4. Wormwood
7. Ecological and geographical study of the santoninbearing European wormwood.  
Biul.Glav.bot.sada no. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

DAYEVA, O.V.

Central Asian onions and their cultivation in Moscow. Biul. Glav.  
bot. sada no.31:31-39 '58. (MIRA 12:5)

1. Glavnyy botanicheskiy sad AN SSSR.  
(Moscow—Onions)

DAYEVA, O. V., Cand of Bio Sci -- (diss) "Biomorphological Types of Ecology and the Experience of Growing Central Asian Onions in Moscow," Moscow, 1959, 14 pp (Mos State Pedagogical Inst im Lenin) (KL, 1-60, 120)

DAYEVA, O.V.

Biomorphological types of Central Asiatic onions. Biul.Glav.  
bot.sada no.33:73-78 '59. (MIRA 12:10)

1. Glavnyy botanicheskiy sad Akademii nauk SSSR.  
(Soviet Central Asia--Onions)

VOROSHILOV, V.N.; DAYEVA, O.V.; YEVTYUKHOVA, M.A.; YEGOROVA, Ye.M.;  
KUZNETSOV, V.M.; KUL'TIASOV, M.V.; NEKRASOV, A.A.; SUROVA,  
V.P.; TARASOVA, T.I. *Prinimali uchastiye BELOVAYA, Yu.N.*;  
KHRYCHEVA, G.P.; TSITSIN, N.V., akademik, *otv. red.*;  
ASTROV, A.V., *red. izd-va*; LAUT, V.G., *tekhn.red.*

[Native plants of the U.S.S.R.; brief summary of introduction  
work in the Main Botanical Garden of the Academy of Sciences of  
the U.S.S.R.] *Rasteniia prirodnoi flory SSSR; kratkie itogi  
introduktsii v Glavnom botanicheskom sadu Akademii nauk SSSR.*  
Moskva, Izd-vo Akad. nauk SSSR, 1961. 359 p. (MIHA 15:3)

1. Moscow. Glavnyy botanicheskiy sad.  
(Plant introduction) (Moscow--Botanical gardens)

DAYEVA, O.V.

Biological characteristics of the development of Central Asiatic  
onion species in the Main Botanical Garden. Trudy Glav. bot.  
sada 9:110-143 '63. (MIRA 16:5)

(Moscow--Onions)

(Plant introduction)

KOPYRIN, I.A.; RANNEV, G.G.; SMIRNOV, Yu.D.; CHERNOV, G.I.;  
BOGATENKOV, V.F.; BOKOV, I.I.; TSIPUNOV, A.G.; RISPEL', K.H.;  
AGARKOVA, N.A.; DAYKER, A.L.

Research by the Chelyabinsk Metallurgical Research Institute.  
Stal' 22 no.7:604,620-621,667,670 JI '62. (MIRA 15:7)  
(Metallurgical research)

GORDEYEV, S.V.; DAYKER, A.L.

Role of the preheating flame in the oxygen cutting process.

[Sbor. trud.] Nauch.-issl.inst.met. no.4:128-134 '61.

(MIRA 15:11)

(Gas welding and cutting)



BARMINA, R.G.; DAYKER, A.L.

Lithium chloride pickups. Mul. tekhn.-ekon. inform. Gos. nauch.-issl.  
inst. nauch. i tekhn. inform. no. 1:44-46 '63. (MIRA 1612)  
(Transducers)

ACCESSION NR: AR4015620

8/0272/64/000/001/0068/0068

SOURCE: RZh. Metrologiya i izmeritel'naya tekhnika, Abs. 1.32,591

AUTHOR: Barmina, R. G.; Daykar, A. L.

TITLE: Lithium-chlorite humidity monitor

CITED SOURCE: Sb. Teoriya i praktika metallurgii. Chelyabinsk, vytp. 5, 1963, 160-165

TOPIC TAGS: lithium-chlorite humidity monitor, temperature dependence, maximum water-vapor elasticity, copper resistance thermometer, platinum electrode, parallel spiral coil, silver electrode

ABSTRACT: The operation of lithium-chlorite monitors exploits the dependence upon temperature of the maximum elasticity of water vapor over the surface of a saturated aqueous solution of hygroscopic salt (lithium chlorite). On this principle, the Institute of Metallurgy has worked out a lithium-chlorite monitor designed on the basis of a standard copper resistance thermometer of type ETM-Kh. A hygroscopic tissue impregnated with a saturated lithium-chlorite solution is fastened on the sensitive element of the resistance thermometer and silver or platinum electrodes connected with an alternating-current source are arranged on top of the tissue

Card 1/2

ACCESSION NR: AR4015620

in two parallel spiral coils. The monitors have been tested in blast furnaces.  
Five illustrations. N. Rayskaya

DATE ACQ: 18Feb64

SUB CODE: ML

ENCL: 00

Cord 2/2

DAYKHES, A. I.:

DAYKHES, A. I.: "The effect of high atmospheric pressure in caisson work on the organs of hearing and the upper respiratory tracts". Leningrad, 1955. Min Health RSFSR. Leningrad Sanitary-Hygienic Medical Inst. (Dissertations for the Degree of Candidate of Medical Sciences.)

So. Knizhnaya letopis'. No. 49, 3 December 1955. Moscow.

DAYKHES, A.I.

DAYKHES, A.I., kand.med.nauk

~~DAYKHES, A.I.~~

Goiter of the radix linguae. Vest.oto-rin. 19 no.4:98-99 J1-Ag '57.  
(MIRA 10:11)

1. Iz kafedry bolezney ukha, gorla i nosa (zav. - prof. I.M.  
Burakov) Astrakhanskogo meditsinskogo instituta.

(GOITER

tongue root, diag. & surg.)

(TONGUE, dis.

goiter of root of tongue, diag. & surg.)

DAYKHES, A.I., kand.med.nauk

Effect of streptomycin on the inner ear [with summary in English].  
Vest.oto-rin. 20 no.6:43-47 N-D '58 (MIRA 11:12)

1. Iz kliniki bolezney ukha, gorla, i nosa (zav. -prof. I.M.  
Burakov) Astrakhanskogo meditsinskogo instituta.

(STREPTOMYCIN, tox.

inner ear reactions in mice (Rus))

(LABYRINTH, eff., of drugs on

streptomycin, toxic reactions in mice (Rus))

ZUYEV, Lev Petrovich; KRYNITSA, Mikhail Nikolayevich; DAYKES,  
M.A., inzh., retsenzent; VANKOVETSKAYA, A.I., red.

[Fitter and assmbler of marine diesel engines] Slesar'-  
montazhnik sudovykh dizelei. Leningrad, Sudostroenie,  
1965. 159 p. (MIRA 18:7)

| PROCESSIES AND PROPERTIES INDEX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <p><i>Ca</i></p> <p><b>Tin, molybdenum and arsenic in the Northern Caucasus</b><br/> N. I. Tumbartsev and I. T. Dzhikhe. <i>Russkaya Nedra</i> 7,<br/> No. 30, 8-10(1936).--Large deposits of Sn in spar were<br/> found in Chepema and Bilyagi-Don. Mo ores were found<br/> as molybdenites in Sanguti-Don, Tyzny-Auz and the<br/> Teberdin-Kuban group. The Sanguti-Don district con-<br/> tains also W, As, Cu and Bi ores. The As ores are found<br/> also in the section formed by the rivers Dumala and<br/> Gyudro-Su, and appear as arsenopirite. A. A. H.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <p>ASB S.L.A. METALLURGICAL LITERATURE CLASSIFICATION</p> <p>1930-1939 1940-1949 1950-1959 1960-1969 1970-1979 1980-1989 1990-1999 2000-2009 2010-2019 2020-2029 2030-2039 2040-2049 2050-2059 2060-2069 2070-2079 2080-2089 2090-2099 2100-2109 2110-2119 2120-2129 2130-2139 2140-2149 2150-2159 2160-2169 2170-2179 2180-2189 2190-2199 2200-2209 2210-2219 2220-2229 2230-2239 2240-2249 2250-2259 2260-2269 2270-2279 2280-2289 2290-2299 2300-2309 2310-2319 2320-2329 2330-2339 2340-2349 2350-2359 2360-2369 2370-2379 2380-2389 2390-2399 2400-2409 2410-2419 2420-2429 2430-2439 2440-2449 2450-2459 2460-2469 2470-2479 2480-2489 2490-2499 2500-2509 2510-2519 2520-2529 2530-2539 2540-2549 2550-2559 2560-2569 2570-2579 2580-2589 2590-2599 2600-2609 2610-2619 2620-2629 2630-2639 2640-2649 2650-2659 2660-2669 2670-2679 2680-2689 2690-2699 2700-2709 2710-2719 2720-2729 2730-2739 2740-2749 2750-2759 2760-2769 2770-2779 2780-2789 2790-2799 2800-2809 2810-2819 2820-2829 2830-2839 2840-2849 2850-2859 2860-2869 2870-2879 2880-2889 2890-2899 2900-2909 2910-2919 2920-2929 2930-2939 2940-2949 2950-2959 2960-2969 2970-2979 2980-2989 2990-2999 3000-3009 3010-3019 3020-3029 3030-3039 3040-3049 3050-3059 3060-3069 3070-3079 3080-3089 3090-3099 3100-3109 3110-3119 3120-3129 3130-3139 3140-3149 3150-3159 3160-3169 3170-3179 3180-3189 3190-3199 3200-3209 3210-3219 3220-3229 3230-3239 3240-3249 3250-3259 3260-3269 3270-3279 3280-3289 3290-3299 3300-3309 3310-3319 3320-3329 3330-3339 3340-3349 3350-3359 3360-3369 3370-3379 3380-3389 3390-3399 3400-3409 3410-3419 3420-3429 3430-3439 3440-3449 3450-3459 3460-3469 3470-3479 3480-3489 3490-3499 3500-3509 3510-3519 3520-3529 3530-3539 3540-3549 3550-3559 3560-3569 3570-3579 3580-3589 3590-3599 3600-3609 3610-3619 3620-3629 3630-3639 3640-3649 3650-3659 3660-3669 3670-3679 3680-3689 3690-3699 3700-3709 3710-3719 3720-3729 3730-3739 3740-3749 3750-3759 3760-3769 3770-3779 3780-3789 3790-3799 3800-3809 3810-3819 3820-3829 3830-3839 3840-3849 3850-3859 3860-3869 3870-3879 3880-3889 3890-3899 3900-3909 3910-3919 3920-3929 3930-3939 3940-3949 3950-3959 3960-3969 3970-3979 3980-3989 3990-3999 4000-4009 4010-4019 4020-4029 4030-4039 4040-4049 4050-4059 4060-4069 4070-4079 4080-4089 4090-4099 4100-4109 4110-4119 4120-4129 4130-4139 4140-4149 4150-4159 4160-4169 4170-4179 4180-4189 4190-4199 4200-4209 4210-4219 4220-4229 4230-4239 4240-4249 4250-4259 4260-4269 4270-4279 4280-4289 4290-4299 4300-4309 4310-4319 4320-4329 4330-4339 4340-4349 4350-4359 4360-4369 4370-4379 4380-4389 4390-4399 4400-4409 4410-4419 4420-4429 4430-4439 4440-4449 4450-4459 4460-4469 4470-4479 4480-4489 4490-4499 4500-4509 4510-4519 4520-4529 4530-4539 4540-4549 4550-4559 4560-4569 4570-4579 4580-4589 4590-4599 4600-4609 4610-4619 4620-4629 4630-4639 4640-4649 4650-4659 4660-4669 4670-4679 4680-4689 4690-4699 4700-4709 4710-4719 4720-4729 4730-4739 4740-4749 4750-4759 4760-4769 4770-4779 4780-4789 4790-4799 4800-4809 4810-4819 4820-4829 4830-4839 4840-4849 4850-4859 4860-4869 4870-4879 4880-4889 4890-4899 4900-4909 4910-4919 4920-4929 4930-4939 4940-4949 4950-4959 4960-4969 4970-4979 4980-4989 4990-4999 5000-5009 5010-5019 5020-5029 5030-5039 5040-5049 5050-5059 5060-5069 5070-5079 5080-5089 5090-5099 5100-5109 5110-5119 5120-5129 5130-5139 5140-5149 5150-5159 5160-5169 5170-5179 5180-5189 5190-5199 5200-5209 5210-5219 5220-5229 5230-5239 5240-5249 5250-5259 5260-5269 5270-5279 5280-5289 5290-5299 5300-5309 5310-5319 5320-5329 5330-5339 5340-5349 5350-5359 5360-5369 5370-5379 5380-5389 5390-5399 5400-5409 5410-5419 5420-5429 5430-5439 5440-5449 5450-5459 5460-5469 5470-5479 5480-5489 5490-5499 5500-5509 5510-5519 5520-5529 5530-5539 5540-5549 5550-5559 5560-5569 5570-5579 5580-5589 5590-5599 5600-5609 5610-5619 5620-5629 5630-5639 5640-5649 5650-5659 5660-5669 5670-5679 5680-5689 5690-5699 5700-5709 5710-5719 5720-5729 5730-5739 5740-5749 5750-5759 5760-5769 5770-5779 5780-5789 5790-5799 5800-5809 5810-5819 5820-5829 5830-5839 5840-5849 5850-5859 5860-5869 5870-5879 5880-5889 5890-5899 5900-5909 5910-5919 5920-5929 5930-5939 5940-5949 5950-5959 5960-5969 5970-5979 5980-5989 5990-5999 6000-6009 6010-6019 6020-6029 6030-6039 6040-6049 6050-6059 6060-6069 6070-6079 6080-6089 6090-6099 6100-6109 6110-6119 6120-6129 6130-6139 6140-6149 6150-6159 6160-6169 6170-6179 6180-6189 6190-6199 6200-6209 6210-6219 6220-6229 6230-6239 6240-6249 6250-6259 6260-6269 6270-6279 6280-6289 6290-6299 6300-6309 6310-6319 6320-6329 6330-6339 6340-6349 6350-6359 6360-6369 6370-6379 6380-6389 6390-6399 6400-6409 6410-6419 6420-6429 6430-6439 6440-6449 6450-6459 6460-6469 6470-6479 6480-6489 6490-6499 6500-6509 6510-6519 6520-6529 6530-6539 6540-6549 6550-6559 6560-6569 6570-6579 6580-6589 6590-6599 6600-6609 6610-6619 6620-6629 6630-6639 6640-6649 6650-6659 6660-6669 6670-6679 6680-6689 6690-6699 6700-6709 6710-6719 6720-6729 6730-6739 6740-6749 6750-6759 6760-6769 6770-6779 6780-6789 6790-6799 6800-6809 6810-6819 6820-6829 6830-6839 6840-6849 6850-6859 6860-6869 6870-6879 6880-6889 6890-6899 6900-6909 6910-6919 6920-6929 6930-6939 6940-6949 6950-6959 6960-6969 6970-6979 6980-6989 6990-6999 7000-7009 7010-7019 7020-7029 7030-7039 7040-7049 7050-7059 7060-7069 7070-7079 7080-7089 7090-7099 7100-7109 7110-7119 7120-7129 7130-7139 7140-7149 7150-7159 7160-7169 7170-7179 7180-7189 7190-7199 7200-7209 7210-7219 7220-7229 7230-7239 7240-7249 7250-7259 7260-7269 7270-7279 7280-7289 7290-7299 7300-7309 7310-7319 7320-7329 7330-7339 7340-7349 7350-7359 7360-7369 7370-7379 7380-7389 7390-7399 7400-7409 7410-7419 7420-7429 7430-7439 7440-7449 7450-7459 7460-7469 7470-7479 7480-7489 7490-7499 7500-7509 7510-7519 7520-7529 7530-7539 7540-7549 7550-7559 7560-7569 7570-7579 7580-7589 7590-7599 7600-7609 7610-7619 7620-7629 7630-7639 7640-7649 7650-7659 7660-7669 7670-7679 7680-7689 7690-7699 7700-7709 7710-7719 7720-7729 7730-7739 7740-7749 7750-7759 7760-7769 7770-7779 7780-7789 7790-7799 7800-7809 7810-7819 7820-7829 7830-7839 7840-7849 7850-7859 7860-7869 7870-7879 7880-7889 7890-7899 7900-7909 7910-7919 7920-7929 7930-7939 7940-7949 7950-7959 7960-7969 7970-7979 7980-7989 7990-7999 8000-8009 8010-8019 8020-8029 8030-8039 8040-8049 8050-8059 8060-8069 8070-8079 8080-8089 8090-8099 8100-8109 8110-8119 8120-8129 8130-8139 8140-8149 8150-8159 8160-8169 8170-8179 8180-8189 8190-8199 8200-8209 8210-8219 8220-8229 8230-8239 8240-8249 8250-8259 8260-8269 8270-8279 8280-8289 8290-8299 8300-8309 8310-8319 8320-8329 8330-8339 8340-8349 8350-8359 8360-8369 8370-8379 8380-8389 8390-8399 8400-8409 8410-8419 8420-8429 8430-8439 8440-8449 8450-8459 8460-8469 8470-8479 8480-8489 8490-8499 8500-8509 8510-8519 8520-8529 8530-8539 8540-8549 8550-8559 8560-8569 8570-8579 8580-8589 8590-8599 8600-8609 8610-8619 8620-8629 8630-8639 8640-8649 8650-8659 8660-8669 8670-8679 8680-8689 8690-8699 8700-8709 8710-8719 8720-8729 8730-8739 8740-8749 8750-8759 8760-8769 8770-8779 8780-8789 8790-8799 8800-8809 8810-8819 8820-8829 8830-8839 8840-8849 8850-8859 8860-8869 8870-8879 8880-8889 8890-8899 8900-8909 8910-8919 8920-8929 8930-8939 8940-8949 8950-8959 8960-8969 8970-8979 8980-8989 8990-8999 9000-9009 9010-9019 9020-9029 9030-9039 9040-9049 9050-9059 9060-9069 9070-9079 9080-9089 9090-9099 9100-9109 9110-9119 9120-9129 9130-9139 9140-9149 9150-9159 9160-9169 9170-9179 9180-9189 9190-9199 9200-9209 9210-9219 9220-9229 9230-9239 9240-9249 9250-9259 9260-9269 9270-9279 9280-9289 9290-9299 9300-9309 9310-9319 9320-9329 9330-9339 9340-9349 9350-9359 9360-9369 9370-9379 9380-9389 9390-9399 9400-9409 9410-9419 9420-9429 9430-9439 9440-9449 9450-9459 9460-9469 9470-9479 9480-9489 9490-9499 9500-9509 9510-9519 9520-9529 9530-9539 9540-9549 9550-9559 9560-9569 9570-9579 9580-9589 9590-9599 9600-9609 9610-9619 9620-9629 9630-9639 9640-9649 9650-9659 9660-9669 9670-9679 9680-9689 9690-9699 9700-9709 9710-9719 9720-9729 9730-9739 9740-9749 9750-9759 9760-9769 9770-9779 9780-9789 9790-9799 9800-9809 9810-9819 9820-9829 9830-9839 9840-9849 9850-9859 9860-9869 9870-9879 9880-9889 9890-9899 9900-9909 9910-9919 9920-9929 9930-9939 9940-9949 9950-9959 9960-9969 9970-9979 9980-9989 9990-9999</p> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



| PROCESSES AND PROPERTIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <p>CA</p> <p>The smelting of high-grade technically pure iron alloyed with copper and molybdenum. I. I. Daskhes. <i>Novosti Tekhniki</i> 8, No. 30, 26-7 (1937); <i>Chem. Zvesti.</i> 1939, 1, 1047.—As a substitute for the German Izett steel, a steel was produced at the Voroshilovgrad Locomotive works from technically pure Fe with the addn. of Cu and Mo. This steel corresponds to the American Tonkan alloy. Smelting is done in a basic Martin furnace with simultaneous decarburization of the bath and the slag, ferrosilicon and Al being used for the steel and finely ground ferrosilicon for the slag. The resistance to shock shown by the steel is about 44 kg./sq. cm. under ordinary conditions. The steel has a high resistance to river and sea water. It is recommended for the construction of steam boilers operating at a temp. up to 400°. The tensile strength is 34.5 kg./sq. mm. with a creep limit of 25.8 kg./sq. mm. and an extension of 36.1%.</p> <p>At. G. Moore</p> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <p>ASAC-51A METALLURGICAL LITERATURE CLASSIFICATION</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| PROCESS AND PROPERTY INDEX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1. Preparation of steel by the Tochinskii method. J. D. ...<br/>           2. ...<br/>           3. ...<br/>           4. ...<br/>           5. ...<br/>           6. ...<br/>           7. ...<br/>           8. ...<br/>           9. ...<br/>           10. ...<br/>           11. ...<br/>           12. ...<br/>           13. ...<br/>           14. ...<br/>           15. ...<br/>           16. ...<br/>           17. ...<br/>           18. ...<br/>           19. ...<br/>           20. ...<br/>           21. ...<br/>           22. ...<br/>           23. ...<br/>           24. ...<br/>           25. ...<br/>           26. ...<br/>           27. ...<br/>           28. ...<br/>           29. ...<br/>           30. ...<br/>           31. ...<br/>           32. ...<br/>           33. ...<br/>           34. ...<br/>           35. ...<br/>           36. ...<br/>           37. ...<br/>           38. ...<br/>           39. ...<br/>           40. ...<br/>           41. ...<br/>           42. ...<br/>           43. ...<br/>           44. ...<br/>           45. ...<br/>           46. ...<br/>           47. ...<br/>           48. ...<br/>           49. ...<br/>           50. ...<br/>           51. ...<br/>           52. ...<br/>           53. ...<br/>           54. ...<br/>           55. ...<br/>           56. ...<br/>           57. ...<br/>           58. ...<br/>           59. ...<br/>           60. ...<br/>           61. ...<br/>           62. ...<br/>           63. ...<br/>           64. ...<br/>           65. ...<br/>           66. ...<br/>           67. ...<br/>           68. ...<br/>           69. ...<br/>           70. ...<br/>           71. ...<br/>           72. ...<br/>           73. ...<br/>           74. ...<br/>           75. ...<br/>           76. ...<br/>           77. ...<br/>           78. ...<br/>           79. ...<br/>           80. ...<br/>           81. ...<br/>           82. ...<br/>           83. ...<br/>           84. ...<br/>           85. ...<br/>           86. ...<br/>           87. ...<br/>           88. ...<br/>           89. ...<br/>           90. ...<br/>           91. ...<br/>           92. ...<br/>           93. ...<br/>           94. ...<br/>           95. ...<br/>           96. ...<br/>           97. ...<br/>           98. ...<br/>           99. ...<br/>           100. ...</p> | <p>1. Preparation of steel by the Tochinskii method. J. D. ...<br/>           2. ...<br/>           3. ...<br/>           4. ...<br/>           5. ...<br/>           6. ...<br/>           7. ...<br/>           8. ...<br/>           9. ...<br/>           10. ...<br/>           11. ...<br/>           12. ...<br/>           13. ...<br/>           14. ...<br/>           15. ...<br/>           16. ...<br/>           17. ...<br/>           18. ...<br/>           19. ...<br/>           20. ...<br/>           21. ...<br/>           22. ...<br/>           23. ...<br/>           24. ...<br/>           25. ...<br/>           26. ...<br/>           27. ...<br/>           28. ...<br/>           29. ...<br/>           30. ...<br/>           31. ...<br/>           32. ...<br/>           33. ...<br/>           34. ...<br/>           35. ...<br/>           36. ...<br/>           37. ...<br/>           38. ...<br/>           39. ...<br/>           40. ...<br/>           41. ...<br/>           42. ...<br/>           43. ...<br/>           44. ...<br/>           45. ...<br/>           46. ...<br/>           47. ...<br/>           48. ...<br/>           49. ...<br/>           50. ...<br/>           51. ...<br/>           52. ...<br/>           53. ...<br/>           54. ...<br/>           55. ...<br/>           56. ...<br/>           57. ...<br/>           58. ...<br/>           59. ...<br/>           60. ...<br/>           61. ...<br/>           62. ...<br/>           63. ...<br/>           64. ...<br/>           65. ...<br/>           66. ...<br/>           67. ...<br/>           68. ...<br/>           69. ...<br/>           70. ...<br/>           71. ...<br/>           72. ...<br/>           73. ...<br/>           74. ...<br/>           75. ...<br/>           76. ...<br/>           77. ...<br/>           78. ...<br/>           79. ...<br/>           80. ...<br/>           81. ...<br/>           82. ...<br/>           83. ...<br/>           84. ...<br/>           85. ...<br/>           86. ...<br/>           87. ...<br/>           88. ...<br/>           89. ...<br/>           90. ...<br/>           91. ...<br/>           92. ...<br/>           93. ...<br/>           94. ...<br/>           95. ...<br/>           96. ...<br/>           97. ...<br/>           98. ...<br/>           99. ...<br/>           100. ...</p> |

**Metallographic determination of nonmetallic inclusions.**

I. I. Dalkha. *Novaya Tekhnika* 7, No. 3, p. 10 (1968), (*Chem. Zentr.* 1938, II, 3047; cf. C. A. 34, 3047). In the method described the unit of inclusion is given by the formula  $Q \text{ (in } \%) = 100 J/(Sd)$ , in which  $J$  is the index expressed by the square divisions of the measuring gage,  $S$  is the area of the field of vision expressed in the same units and  $d$  is the mean ratio of the d. of the Fe to the d. of the inclusions, the av. value of which is 3. M. G. Moore

9

ASTM-SSA METALLURGICAL LITERATURE CLASSIFICATION

Properties of Krivorog agglomerate and their effect on blast-furnace operation. 1. Dailhes. *Sud B. No 1, 4-11 (1938)*. The use of 45 to 100% agglomerate in the ore charge increased production from 925 to 1081 tons per day, increased the proportion of directly reduced Fe from 40 to 62% and decreased coke consumption. Best results were obtained with an agglomerate contg. 25% FeO.

H. W. Rathmann

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION